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TIMOTHY M. MCCARTHY  
PAIGE A. KITZINGER

FOUNDED 1890 JAN 06 2006

PATENT, TRADEMARK, COPYRIGHT  
AND RELATED MATTERS: ALL PHASES  
INCLUDING LICENSING AND LITIGATION

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OF COUNSEL

**FACSIMILE TRANSMISSION**

TOTAL PAGES (Including Cover Page) 10 DATE: January 6, 2006

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TO: Attn.: Examiner Jessa A. Fenty FROM: Mr. James R. Foley, Reg. No. 39,979

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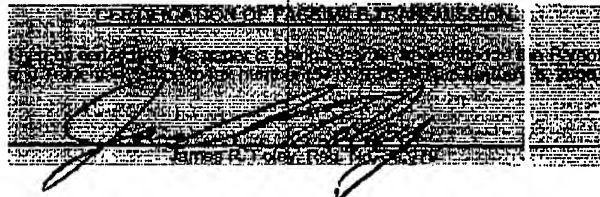
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**NOTES:**

Inventors: Valeriy Sukharev et al.  
For: Copper-Low-K Dual Damascene  
Interconnect with Improved Reliability  
Art Unit: 2815  
Serial No.: 10/615,042  
Filed: July 8, 2003  
Attorney Ref.: 03-0509



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In re application of: Valeriy Sukharev et al.  
Serial No.: 10/615,042  
Filed: July 8, 2003  
Art Unit: 2815  
For: COPPER-LOW-K DUAL DAMASCENE  
INTERCONNECT WITH IMPROVED  
RELIABILITY

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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to the Office Action mailed October 6, 2005.

The filing fee has been calculated as shown below:

|  | (Col. 1)                         |       | (Col. 2)                        | (Col. 3)      |
|--|----------------------------------|-------|---------------------------------|---------------|
|  | Claims Remaining After Amendment |       | Highest No. Previously Paid for | Present Extra |
| TOTAL  | * 7                              | MINUS | ** 20                           | 0             |
| INDEP.   | * 3                              | MINUS | ** 4                            | 0             |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM |                                  |       |                                 |               |

| SMALL ENTITY     |            |
|------------------|------------|
| Rate             | Addit. Fee |
| x 9 =            | \$ .00     |
| x 42 =           | \$ .00     |
| + 130 =          | \$ .00     |
| TOTAL ADDIT. FEE | \$ .00     |

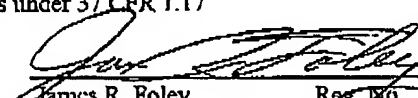
OR

| LARGE ENTITY |            |
|--------------|------------|
| Rate         | Addit. Fee |
| x 18 =       | \$ .00     |
| x 8 =        | \$ .00     |
| + 260 =      | \$ .00     |
| TOTAL        | \$ .00     |

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.  
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- ☐ Please charge my Deposit Account No. 12-2252 in the amount of \$ \_\_\_\_\_ to cover the filing fee. A duplicate copy of this sheet is enclosed.
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- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-2252.
- ☒ Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17

Dated: January 6, 2006

  
James R. Foley Reg. No. 39,979  
Attorney of Record

In re application of: Valeriy Sukharev et al.

Serial No.: 10/615,042

Filed: July 8, 2003

Art Unit: 2815

For: COPPER-LOW-K DUAL DAMASCENE  
INTERCONNECT WITH IMPROVED  
RELIABILITY**RECEIVED**  
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January 6, 2006.

James R. Foley, Reg. No. 39,979

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| TOTAL  | * 7                                       | MINUS | ** 20                                 | 0                |
| INDEP.   | * 3                                       | MINUS | ** 4                                  | 0                |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM |   |       |                                       |                  |

**SMALL ENTITY**

| Rate              | Addit.<br>Fee |
|-------------------|---------------|
| x 9 -             | \$ .00        |
| x 42 -            | \$ .00        |
| + 130 =           | \$ .00        |
| <b>TOTAL</b>      | <b>\$ .00</b> |
| <b>ADDIT. FEE</b> | <b>\$ .00</b> |

**LARGE ENTITY**

| Rate         | Addit.<br>Fee |
|--------------|---------------|
| x 18 =       | \$ .00        |
| x 84 -       | \$ .00        |
| + 260 =      | \$ .00        |
| <b>TOTAL</b> | <b>\$ .00</b> |

OR

OR

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.  
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Dated: January 6, 2006

James R. Foley  
Attorney of Record

Reg. No. 39,979

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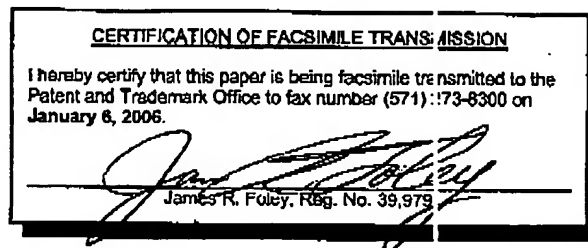
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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No.: 10/615,042 )  
Filed: July 8, 2003 )  
Art Unit: 2815 )  
Examiner: Jesse A. Fenty )  
For: COPPER-LOW-K DUAL )  
DAMASCENE )  
INTERCONNECT WITH )  
IMPROVED RELIABILITY )  
Inventors: Valeriy Sukharev et al. )  
Attorney Ref: 03-0509 )



**RESPONSE TO OFFICE ACTION MAILED OCTOBER 6, 2005**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In the matter of the above-identified application and in response to the Office Action  
mailed October 6, 2005, kindly enter the following amendments and consider the following;  
remarks toward reconsideration of the present application.

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